| Ref<br># | Hits   | Search Query   | DBs   | Default<br>Operator | Plurals | Time Stamp       |
|----------|--------|--|---|---------------------|---------|------------------|
| L1       | 266830 | (printed near1 circuit near1 board) or pcb                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/05/02 11:00 |
| L2       | 3250   | 1 and (optical near6 (via or through\$1hole))              | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/05/02 10:40 |
| L3       | 10832  | 1 and (optical same (via or through\$1hole or opening))    | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/05/02 10:40 |
| L4       | 2047   | 3 and (multiplex\$3 or demultiplex\$3)                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/05/02 10:40 |
| L5       | 544    | 4 and insulati\$3  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/05/02 10:40 |
| L6       | 367    | 5 and coupling   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR                  | ON      | 2006/05/02 10:51 |
| L7       | 230    | 5 and coupling   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR                  | ON      | 2006/05/02 10:51 |
| L8       | 4      | ("20030222344"   "6409159"  <br>"6414849"   "6754407").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR                  | OFF     | 2006/05/02 10:54 |

| L9  | 227831 | (printed near1 circuit near1 board) or pcb and (waveguide or optical) near3 layer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/05/02 11:31 |
|-----|--------|---|---|----|-----|------------------|
| L10 | 144    | 9 and (add\$1drop)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/05/02 11:06 |
| L11 | 2      | "6236786".pn.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/05/02 11:06 |
| L12 | 9      | ("6236786").URPN.   | USPAT   | OR | OFF | 2006/05/02 11:07 |
| L13 | 1      | ("6804423").URPN.   | USPAT   | OR | OFF | 2006/05/02 11:07 |
| L14 | 6      | ("5125054"   "5170448"   "5394490"  <br>"5600741"   "6236786"   "6285808").<br>PN.  | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/05/02 11:08 |
| L15 | 6      | ("6285808").URPN.   | USPAT   | OR | OFF | 2006/05/02 11:08 |
| L16 | 25     | ("20020081078"   "20020176671"   "20030152330"   "20030174946"   "20030180002"   "20030198439"   "20040096152"   "20040105648"   "20040109627"   "20040109628"   "20040114866"   "20040131302"   "20040197054"   "4966430"   "5432876"   "5600741"   "5901262"   "5966478"   "6285808"   "6302590"   "6370292"   "6422761"   "6491447"   "6493489"   "6862382").PN. | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/05/02 11:08 |
| L17 | 9      | ("4169001"   "5170448"   "5757989"  <br>"5761350"   "5786925"   "5898803"  <br>"5910706"   "6081632"   "6285808").<br>PN.   | US-PGPUB;<br>USPAT;<br>USOCR                                      | OR | OFF | 2006/05/02 11:12 |
| L18 | 7      | ("6370292").URPN.   | USPAT   | OR | OFF | 2006/05/02 11:14 |
| L19 | 70     | 9 and (multiplex\$3 or demultiplex\$3) and (add\$1drop)   | USPAT   | OR | OFF | 2006/05/02 11:14 |
| L20 | 188692 | (printed near1 circuit near1 board) or pcb and waveguide and (demultiplex\$3 and multiplex\$3 and amplifier)  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB              | OR | ON  | 2006/05/02 11:32 |

|     |      | EAST SearCi  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| L21 | 77   | ((printed near1 circuit near1 board) or pcb) and waveguide and (demultiplex\$3 and multiplex\$3 and amplifier) | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 11:58 |
| L22 | 6    | 21 and (add\$1drop)  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 11:44 |
| L23 | 2    | "6845184".pn.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:42 |
| L25 | 3394 | (add\$1drop) near10 multiplex\$3   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 11:59 |
| L26 | 11   | (add\$1drop) near10 multiplex\$3 and (pcb)   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:00 |
| L27 | 99   | (add\$1drop) near10 multiplex\$3 and (circuit near1 board)   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:27 |
| L28 | 6539 | 385/14,24,25.ccls.   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:27 |
| L29 | 213  | 28 and @pd>"20051207"  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:28 |
| L31 | 2    | "6285808".pn.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 12:42 |
| L32 | 2    | 31 and insulating  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 13:42 |

|     |     |  | <del></del>  | _  |    |                  |
|-----|-----|--|--|----|----|------------------|
| L33 | 611 | (stacked near6 waveguides)                                   | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 13:51 |
| L34 | 29  | pcb and (waveguide near1 layers)                             | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 14:00 |
| L35 | 2   | "6693736".pn.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 14:05 |
| L36 | 722 | (waveguide or guiding) near4 (layers) same (top same bottom) | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 14:16 |
| L37 | 2   | "6706546".pn.  | USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/05/02 14:16 |